



Melaku Gesesse

Date of birth: 31/01/1989 | **Nationality:** Ethiopian | **Gender:** Male | **Phone number:** (+251) 0918552766 (Mobile) | **Email address:** melakutadege@yahoo.com | **Website:** www.melakutadege.com | **Website:** <https://rb.gy/lmmcau> | **Website:** <https://rb.gy/3z2f2y> | **LinkedIn:** <https://www.linkedin.com/notifications/?filter=all> | **Address:** Bahir Dar, 477, Bahir Dar, Ethiopia (Work)

ABOUT ME

I am Mr. Melaku Tadege, a dedicated professional with over eight years of experience in data collection, management, analysis, manuscript writing, grant writing, and teaching. My expertise encompasses big data science and machine learning, complemented by a strong track record of publication in reputable journals. Throughout my career, I have developed a comprehensive skill set that includes advanced data analysis techniques, effective project management, and innovative problem-solving abilities. I am adept at leveraging various software tools, such as R, SAS, Power BI, Python, and SPSS, to extract meaningful insights and drive data-informed decisions. Additionally, my experience in teaching has honed my communication skills, allowing me to convey complex concepts clearly and effectively. I am passionate about sharing knowledge and fostering a collaborative learning environment. I possess a strong commitment to excellence and continuous improvement, always striving to enhance my skills and contribute positively to any team or project I am part of. My ability to work collaboratively, coupled with my punctuality and strong work ethic, makes me a reliable and valuable asset in any professional setting.

Thank you for considering my qualifications

Sincerely,
Melaku Tadege

WORK EXPERIENCE

18/05/2022 – CURRENT Bahir Dar, Ethiopia

DATA MANAGER AMHARA PUBLIC HEALTH INSTITUTE

Data Governance

- Establish and enforce data management policies and standards.
- Ensure compliance with data protection regulations

Data Quality Management

- Monitor and improve data quality through validation and cleansing processes.
- Develop metrics and reports to track data quality.

Data Integration and Architecture

- Design and implement data architecture solutions.
- Oversee data integration from various sources, ensuring data consistency.

Data Storage and Retrieval

- Manage databases and data storage solutions.
- Optimize data retrieval processes for efficiency.

Data Analysis and Reporting

- Support data analysis initiatives by providing access to relevant datasets.
- Create and maintain reports and dashboards for stakeholders.

Research and Policy Brief Development

- Conduct research to inform data management practices and organizational strategies.
- Develop policy briefs based on research findings, recommending best practices and improvements.

Data Collection Tool Development

- Design and implement tools for efficient data collection (e.g., surveys, databases).
- Ensure tools are user-friendly and meet the data needs of stakeholders.

Machine Learning and Data Science Applications

- Collaborate with data scientists to develop machine learning models.
- Oversee the deployment of machine learning models into production environments.
- Monitor model performance and make necessary adjustments.



Collaboration and Communication

- Work with cross-functional teams to understand data needs and provide solutions.
- Communicate data issues and solutions clearly to non-technical stakeholders.

Training and Support

- Provide training to staff on data management best practices.
- Offer technical support for data-related queries.

Data Strategy Development

- Contribute to the development of data strategies aligned with business goals.
- Identify opportunities for leveraging data to drive business decisions.

Planning, monitoring and evaluation

- Lead data-related projects, ensuring they are completed on time and within budget.
- Manage project teams and resources effectively.

Security and Privacy

- Implement data security measures to protect sensitive information.
- Regularly assess risks related to data security and privacy.

Department Regional Data Management center for health/RDMC | **Email** melakutadege@aphi.gov.et |

Website <https://aphi.gov.et/>

Link <http://im.aphi.gov.et/team/>

08/07/2018 – 02/12/2020 Injibara, Ethiopia

RESEARCHER AND LECTURER INJIBARA UNIVERSITY

1. Teaching and Instruction

- Develop and deliver engaging lectures, seminars, and tutorials.
- Create and update course materials, syllabi, and assessments.
- Adapt teaching methods to suit diverse learning styles and needs.

2. Student Support

- Provide academic advising and mentorship to students.
- Offer feedback on assignments and assessments to help students improve.
- Conduct office hours for additional student support.

3. Curriculum Development

- Collaborate with faculty to design and enhance curriculum.
- Incorporate current research and industry trends into course content.

4. Assessment and Evaluation

- Design and implement effective assessment strategies.
- Grade assignments and provide constructive feedback.

5. Research and Scholarship

- Engage in scholarly research relevant to the discipline.
- Publish research findings in academic journals and conferences.

6. Service to the Institution

- Participate in departmental meetings and committees.
- Contribute to university governance and community engagement.

7. Professional Development

- Stay updated with developments in the field and pedagogical practices.
- Attend workshops, conferences, and training relevant to teaching and research.

8. Research Design and Planning

- Develop research proposals and methodologies.
- Identify funding opportunities and prepare grant applications.

9. Data Collection and Analysis

- Conduct experiments, surveys, or data collection as per the research design.
- Analyze data using appropriate statistical or computational methods.

10. Documentation and Reporting

- Write research papers, technical reports, and presentations.
- Prepare documentation for compliance with ethical standards and funding requirements.

11. Collaboration and Networking

- Collaborate with colleagues, institutions, and industry partners.
- Participate in research networks and conferences to share findings.

15. Mentorship and Supervision

- Supervise graduate and undergraduate research projects.
- Provide guidance to junior researchers and research assistants.



16. Dissemination of Findings

- Publish research results in peer-reviewed journals and present at conferences.
- Engage with the public or industry to communicate research impacts.

18. Continuous Learning

- Stay current with relevant literature, trends, and technologies in the field.
- Pursue professional development opportunities related to research methods and techniques.

Department Statistics | Email melakutadege@inu.edu.et | Website www.inu.edu.et

Link <https://www.inu.edu.et/list-of-publications/>

08/07/2013 – 08/07/2018 Mettu, Ethiopia

LECTURER AND RESEARCHER METTU UNIVERSITY

1. Teaching and Instruction

- Develop and deliver engaging lectures, seminars, and tutorials.
- Create and update course materials, syllabi, and assessments.
- Adapt teaching methods to suit diverse learning styles and needs.

2. Student Support

- Provide academic advising and mentorship to students.
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Department Statistics | Website <https://www.meu.edu.et/>



● EDUCATION AND TRAINING

28/09/2014 – 29/06/2016 Bahir Dar, Ethiopia

MASTER OF SCIENCE Bahir Dar University

Statistical Modeling(Survival analysis, longitudinal analysis, joint modeling, linear model, Multivariate analysis, competing event analysis, data science (machine learning, deep learning))

statistical inference

Descriptive statistics (trend analysis)

statistical software(SAS, R, STATA, Python, SPSS)

Research methodology

Address Bahir Dar, Bahir Dar, Ethiopia | **Website** www.bdu.edu.et | **Field of study** Biostatistics |

Final grade 3.3, very good in research |

Thesis Joint longitudinal survival analysis of hypertension patients at Felege Hiwot Referral Hospital, Bahir Dar , Ethiopia

24/10/2009 – 29/06/2012 Bahir Dar, Ethiopia

BACHLER OF SCIENCE Bahir Dar University

computer skill(MS office, data base management, basic and advanced economics, project management, SPSS)

Design of experiement

Operation research

demography

Survival analysis and epidemiology

Epidemiology

Website www.bdu.edu.et | **Field of study** Statistics | **Final grade** 3.5 |

Thesis Factors affecting car accident occurrence at Bahir Dar City, Ethiopia

DHIS2 E-LEARNING Ministry of Health

RESPONSIBLE DATA MANAGEMENT IN EMERGENCIES Save the children

MONITORING, EVALUATION, ACCOUNTABILITY AND LEARNING (MEAL) IN EMERGENCIES Save the children

DATA ANALYSIS WITH PYTHON Cognitiveclass

BIG DATA AND DATA SCIENCE United nation

PLANNING FOR MONITORING AND EVALUATION fhi360

SPATIAL ANALYSIS USING QGIS AND R Australian Based Ethiopian Researcher Network

Ethiopia

PEDAGOGICAL SKILL TRAINING Mettu University

DESIGNING OF EXPERIMENT'S FOR SCIENTIFIC RESEARCH DALHOUSE University, Canada

HIGHER DIPLOMA LICENSE FOR TEACHING Mettu University

SAS SOFTWARE PRACTICAL APPLICATIONS DALHOUSE University, Canada

● LANGUAGE SKILLS

Mother tongue(s): **AMHARIC**



Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Software

Power BI/Power Pivot | QGIS - ARCGIS | R | IBM Statistical package for Sciences (SPSS) | SAS,STATA | Python (PyROOT, RDataFrame; ML: Keras, TensorFlow)

Analaysis

Machine Learning | Longitudinal Analysis | Survival analysis | Descriptive analysis of quantitative data (descriptive statistics)

COMMUNICATION AND INTERPERSONAL SKILLS

Active Learning

Motivation

Collaboration

Leadership

Conflict resolution

CONFERENCES AND SEMINARS

04/05/2017 – 08/05/2017 Harer, Ethiopia

Ethiopian public health association annual conference

Participate as poster paper presenter

16/07/2018 – 19/07/2018 Mettu University, Ethiopia

Annual research conference

Participate as a paper presenter

28/11/2018 – 05/12/2018 Wolkite university, Ethiopia

Annual national research conference

Participate as a poster paper presenter

20/05/2019 – 23/05/2019 Bahir Dar, Ethiopia

Statistical association annual conference

Participate as paper presenter

08/08/2024 – 11/08/2024 Addis Ababa, Ethiopia

Statistical association annual research conference

Participate as a paper presenter



13/01/2023 – 13/01/2023 Bahir Dar, Ethiopia

Public health institute seminar

Participate as paper presenter

● **CREATIVE WORKS**

06/09/2023 – 16/11/2024

Machine learning model development

Develop a machine learning model which predicts patients survival status

● **HOBBIES AND INTERESTS**

Data analysis

Analyze any dataset and facing challenges

Machine learning

Application's of data science across different filed of specialization specially in health

publication

produce manuscripts, and policy brief

Support others

Support individuals who need my help

● **HONOURS AND AWARDS**

18/10/2013

Assistant professor – Injibara University

I got assistant professor of biostatistics by considering research, community service and teaching ability

● **MANAGEMENT AND LEADERSHIP SKILLS**

Regional Data mangent center for health coordinator

I served for two years by coordinating the entire activities of data management center for health

Entreneurships and capacity building coordinator of Mettu University

I was engaged for a year

Head of statistics department at Injibara University

Manage for two years

● **NETWORKS AND MEMBERSHIPS**

12/10/2018 – CURRENT Addis, Ababa, Ethiopia

Ethiopian Public Health association

Membership

18/11/2014 – CURRENT Addis Ababa, Ethiopia

Ethiopian Statistical Association

Membership



● **ORGANISATIONAL SKILLS**

Punctuality

Always on time

Creative

Innovative to solve every challenge

Having good team sprit

● **PROJECTS**

17/09/2022

Cardiac patients progression after surgery

11/11/2024 – CURRENT

Sever acute malnutrition spatial inequalities across Zones in Amhara region

● **PUBLICATIONS**

2023

[**Predictors for the Longevity of People with Diabetes in Buno Bedele and Illubabor Zones, South-west Ethiopia**](#)

Melaku Tadege, Azmeraw Misganaw, Zemenay Truneh & Awoke Seyoum Tegegne

2022

[**Soil-transmitted helminthiasis and undernutrition among schoolchildren in Mettu town, Southwest Ethiopia**](#)

2019

[**Predictors associated with HIV/AIDS patients dropout from antiretroviral therapy at Mettu Karl Hospital, southwest Ethiopia**](#)

2024

[**Cardiac patients' surgery outcome and associated factors in Ethiopia: application of machine learning**](#)

2020

[**Determinants of fatal car accident risk in Finote Selam town, Northwest Ethiopia**](#)

2024

[**Post-surgery survival and associated factors for cardiac patients in Ethiopia: applications of machine learning, semi-parametric and parametric modelling**](#)

2018

[**Time to death predictors of HIV/AIDS infected patients on antiretroviral therapy in Ethiopia**](#)

2021

[**Prevalence and associated factors of intestinal parasitic infections among food handlers in Mettu Town, Southwest Ethiopia**](#)

2019

[**Knowledge, attitude, practice and associated factors that hinder blood donation practices among the residents in Ilu Aba Bor and Buno Bedelle zones, south western Ethiopia**](#)



2018

Survival Analysis of Time to Cardiovascular Disease Complication of Hypertensive Patients at Felege Hiwot Referral Hospital in Bahir-Dar, Ethiopia: A Retrospective Cohort Study M Tadege

● **RECOMMENDATIONS**

Etsegenet Kindie Regional Data Management Center Director

To Whom It May Concern,

I am writing to highly recommend Mr. Melaku Tadege, whose impressive skill set and professional attributes make him an exceptional candidate for any organization. Throughout his career, Mr. Tadege has consistently demonstrated outstanding interpersonal skills, dedication, and a strong work ethic.

Mr. Tadege possesses excellent data analysis capabilities, complemented by his proficiency in machine learning and deep learning techniques. His expertise in planning, monitoring, and evaluation, along with data management skills, allows him to effectively manage and analyze large datasets. He is well-versed in various software tools, including R, Minitab, SPSS, SAS, Python, QGIS, ArcGIS, and Power BI, as well as proficient in Microsoft Office applications such as Word, Excel, and PowerPoint.

In addition to his technical skills, Mr. Tadege excels in proposal writing and has a keen eye for data quality and big data management. His innovative mindset and ability to collaborate with others make him a valuable asset to any team. Colleagues often commend his punctuality and cooperative nature, which enhance the work environment and contribute to project success.

I am confident that Mr. Melaku Tadege will bring the same level of excellence and commitment to your organization as he has demonstrated in his previous roles. I wholeheartedly recommend him for any opportunity that aligns with his skills and experience.

Should you require any further information, please do not hesitate to contact me.

Sincerely,

Etsegenet Kindie,
Regional Data Management Center for Health/ RDMC directorate director
Amhara Public Health Institute
Email:etsegenet85@gmail.com
Phone:+251920686642

Email etsegenet85@gmail.com | **Phone** (+251) 920686642

● **VOLUNTEERING**

19/04/2020 – 19/04/2020 Injibara, Ethiopia

Covid-19 awareness community service

18/08/2017 – 13/06/2018 Mettu , Ethiopia

Statistical consultancy service for Mettu university community

29/10/2022 – CURRENT Bahir Dar, Ethiopia

Orphan supporting association

I do have a great interest to be part of your organization, thank you for your consideration

Bahir Dar, Ethiopia , 12/06/2024